Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known		
Substitute f	or form 144	9/PTO		Application Number	10/657,866	
INFORM	INFORMATION DISCLOSURE			Filing Date	September 9, 2003	
			LICANT	First Named Inventor	Mark A. Reiley	
(Use a	s many shee	is as nec	cessary)	Art Unit	3738	
		Examiner Name	David J. Isabella			
Sheet	1	Of	10	Attorney Docket Number	29914-701.402	

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
10	129.	US 2002/0013585 A1	01-31-2002	Gournay et al.	riguies Appear
-	130.	US 2002/0013588 A1	01-31-2002	Landry et al.	
1	131.	US 2002/0042613 A1	04-11-2002	Mata	
	132.	US 2002/0049446 A1	04-25-2002	Harkey, III et al.	• .
_	133.	US 2002/0065557 A1	05-30-2002	Goble et al.	
	134.	US 2002/0082601 A1	06-27-2002	Toyoma et al.	
	135.	US 2002/0120272 A1	08-29-2002	Yuan et al.	
	136.	US 2002/0123806 A1	09-05-2002	Reiley	
	137.	US 2003/0040797 A1	02-27-2003	Fallin et al.	
	138.	US 2003/0125740 A1	07-03-2003	Khanna	
	139.	US 2003/0181914 A1	09-25-2003	Johnson et al.	
	140.	US 2003/0191532 A1	10-09-2003	Goble et al.	,
_	141.	US 2003/0204259 A1	10-30-2003	Goble et al.	
—	142.	US 2004/0006391 A1	01-08-2004	Reiley	
	143.	US 2004/0049272 A1	03-11-2004	Reiley	:
	144.	US 2004/0049273 A1	03-11-2004	Reiley	
	145.	US 2004/0049274 A1	03-11-2004	Reiley	
1	146.	US 2004/0049275 A1	03-11-2004	Reiley	
	147.	US 2004/0049276 A1	03-11-2004	Reiley	
	148.	US 2004/0049277 A1	03-11-2004	Reiley	
1	149.	US 2004/0049278 A1	03-11-2004	Reiley	,
	150.	US 2004/0049281 A1	03-11-2004	Reiley	
	151.	US 2004/0230201 A1	11-18-2004	Yuan et al.	,
(0)	152.	US 2004/0230304 A1	11-18-2004	Yuan et al.	

Date Examiner Considered Signature

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in bofformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is so place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Pattent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known		
Substitute f	or form 144	9/PTO		Application Number	10/657,866	
INFORM	IATION	DISCL	OSURE	Filing Date	September 9, 2003	
STATEN				First Named Inventor	Mark A. Reiley	
(Use as	s many shee	ts as nece	essary)	Art Unit	3738	
				Examiner Name	David J. Isabella	
Sheet	2	Of	10	Attorney Docket Number	29914-701.402	:

Examiner Initials*	Cite No.1	Document Number Number-Kind Cade ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(4-	153.	US 2005/0010291 A1	01-13-2005	Stinson et al.	
	154.	US 2005/0015146 A1	01-20-2005	Louis et al.	
T	155.	US 2005/0027361 A1	02-03-2005	Reiley	
7	156.	US 2005/0043799 A1	02-24-2005	Reiley	
	157.	US 2005/0080428 A1	04-14-2005	White	
	158.	US 2005/0085912 A1	04-21-2005	Arnin et al.	• •
1	159.	US 2005/0102028 A1	05-12-2005	Arnin et al.	
	160.	US 2005/0119748 A1	06-02-2005	Reiley et al.	1
	161.	US 2005/0131406 A1	06-16-2005	Reiley et al.	•
	162.	US 2005/0137705 A1	06-23-2005	Reiley	•
	163.	US 2005/0137706 A1	06-23-2005	Reiley	
1	164.	US 2005/0143818 A1	06-30-2005	Yuan et al.	
	165.	US 2005/0149190 A1	07-07-2005	Reiley	
1	166.	US 2005/0177240 A1	08-11-2005	Blain	•
1	167.	US 2005/0187560 A1	08-25-2005	Dietzel et al.	
1	168.	US 2005/0192589 A1	09-01-2005	Raymond et al.	
1	169.	US 2005/0234552 A1	10-20-2005	Reiley	
	170.	US 2005/0235508 A1	10-27-2005	Augostino et al.	•
1.	171.	US 2005/0240264 A1	10-27-2005	Tokish, JR. et al.	:
	172.	US 2005/0240265 A1	10-27-2005	Kuiper et al.	
	173.	US 2005/0240266 A1	10-27-2005	Kuiper et al.	
	174.	US 2005/0251256 A1	11-10-2005	Reiley	
	175.	US 2005/0261770 A1	11-24-2005	Kuiper et al.	
717	176.	US 2005/0267579 A1	12-01-2005	Reiley et al.	

41 Examiner Date Considered Signature

^{*}EXAMINER: Initial if reference consecuted, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must, precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

cnees mark nere it english language i franklation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Traderrary Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

				Complete if Known		
Substitute f	or form 144	9/PTO		Application Number	10/657,866	
INFORM	NFORMATION DISCLOSURE		Filing Date	September 9, 2003	•	
			LICANT	First Named Inventor	Mark A. Reiley	:
	s many shee			Art Unit	3738	
			Examiner Name	David J. Isabella		
Sheet	3	Of	10	Attorney Docket Number	29914-701.402	

		U.S. P	ATENT DOC	UMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
19	177.	US 2005/0283238 A1	12-22-2005	Reiley	
1	178.	US 4,040,130	08-09-1977	Laure	
	179.	US 4,156,296	05-29-1979	Johnson et al.	
	180.	US 4,210,317	07-01-1980	Spann et al.	
-	181.	US 4,231,121	11-04-1980	Lewis	
	182.	US 4,394,370	07-19-1983	Jefferies:	
	183.	US 4,472,840	09-25-1984	Jefferies	
	184.	US 4,611,581	09-16-1986	Steffee	.•
	185.	US 4,805,602	02-21-1989	Puno et al.	
	186.	US 5,000,165	03-19-1991	Watanabe	
	187.	US 5,015,255	05-14-1991	Kuslich	
	188.	US 5,019,081	05-28-1991	Watanabe	
	189.	US 5,062,845	11-05-1991	Kuslich et al.	:
	190.	US 5,129,900	07-14-1992	Asher et al.	
	191.	US 5,284,655	02-08-1994	Bogdansky et al.	:
	192.	US 5,300,073	04-05-1994	Ray et al.	•
	193.	US 5,312,409	05-17-1994	McLaughlin et al.	
	194.	US 5,314,476	05-24-1994	Prewett et al.	
	195.	US 5,350,380	09-27-1994	Goble et al.	
	196.	US 5,405,390	04-11-1995	O'Leary et al.	
	197.	US 5,445,639	08-29-1995	Kuslich et al.	
1	198.	US 5,458,641	10-17-1995	Ramirez Jimenez	
1	199.	US 5,474,555	12-12-1995	Puno et al.	
	200.	US 5,491,882	02-20-1996	Walston et al.	

Date Considered Signature

^{*}EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known		
Substitute fo	or form 144	9/PTO		Application Number	10/657,866	
INFORM	IATION	DISCI	LOSURE	Filing Date	September 9, 2003	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor	Mark A. Reiley		
(Use as	many shee	ts as nec	essary)	Art Unit	3738	
•		Examiner Name	David J. Isabella			
Sheet	Sheet 4 Of 10		Attorney Docket Number	29914-701.402		

		U.S. P.	ATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Y	201.	US 5,507,823	04-16-1996	Walston et al.	:
	202.	US 5,510,396	04-23-1996	Prewett et al.	
	203.	US 5,569,247	10-29-1996	Morrison	
	204.	US 5,571,191	11-05-1996	Fitz	
	205.	US 5,575,792	11-19-1996	Errico et al.	
	206.	US 5,577,995	11-26-1996	Walker et al.	
	207.	US 5,603,713	02-18-1997	Aust et al.	
	208.	US 5,643,263	07-01-1997	Simonson	
	209.	US 5,649,930	07-22-1997	Kertzner	* 1
	210.	US 5,662,651	09-02-1997	Tomier et al.	,
	211.	US 5,683,391	11-04-1997	Boyd	
	212.	US 5,683,392	11-04-1997	Richelsoph et al.	
	213.	US 5,688,274	11-18-1997	Errico et al.	
	214.	US 5,690,630	11-25-1997	Errico et al.	
	215.	US 5,704,941	01-06-1998	Jacober et al.	
	216.	US 5,725,527	03-10-1998	Biedermann et al.	
	217.	US 5,738,585	04-14-1998	Hoyt, III et al.	
	218.	US 5,741,255	04-21-1998	Krag et al.	
	219.	US 5,741,261	04-21-1998	Moskovitz et al.	
	220.	US 5,766,253	06-16-1998	Brosnahan, III	
	221.	US 5,782,833	07-21-1998	Haider	
	222.	US 5,797,911	08-25-1998	Sherman et al.	
	223.	US 5,800,433	09-01-1998	Benzel et al.	:
47	224.	US 5,827,289	10-27-1998	Reiley et al.	·

Date Examiner Considered Signature

check mark here it lengths tanguage translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

^{*}EXAMINER: Initial if reference consistent, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known		
Substitute for	form 144	9/PTO	•	Application Number	10/657,866	;
INFORM.	ATION	DISC	LOSURE	Filing Date	September 9, 2003	:
STATEM				First Named Inventor	Mark A. Reiley	
(Use as i	nany shee	is as nec	essary)	Art Unit	3738	
			Examiner Name	David J. Isabella		
Sheet ·	5	Of	10	Attorney Docket Number	29914-701.402	

Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M	225.	US 5,863,293	01-26-1999	Richelsoph	r igues repress
	226.	US 5,866,113	02-02-1999	Hoensbroek et al.	
	227.	US 5,879,350	03-09-1999	Sherman et al.	
	228.	US 5,879,396	03-09-1999	Walston et al.	
	229.	US 5,885,285	03-23-1999	Simonson	,
	230.	US 5,891,145	04-06-1999	Morrison et al.	
-1-	231.	US 5,947,893	09-07-1999	Agrawal et al.	
	232.	US 5,964,760	10-12-1999	Richelsoph	
	233.	US 6,010,503	01-04-2000	Richelsoph et al.	ŧ
-1	234.	US 6,019,759	02-01-2000	Rogozinski	
+-	235.	US 6,022,350	02-08-2000	Ganem	
	236.	US 6,074,391	06-13-2000	Metz-Stavenhagen et al.	
1	237.	US 6,077,262	06-20-2000	Schläpfer et al.	
	238.	US 6,086,590	07-11-2000	Margulies et al.	
1	239.	US 6,090,111	07-18-2000	Nichols	
1	240.	US 6,132,430	10-17-2000	Wagner	
1	241.	US 6,132,464	10-17-2000	Martin	
	242.	US 6,190,388 B1	02-20-2001	Michelson et al.	
	243.	US 6,200,322 B1	03-13-2001	Branch et al.	
	244.	US 6,231,575 B1	05-15-2001	Krag	٠ .
1	245.	US 6,248,105 B1	06-19-2001	Schläpfer et al.	
	246.	US 6,280,443 B1	08-28-2001	Gu et al.	
1	247.	US 6,290,703 B1	09-18-2001	Ganem	
16.4	248.	US 6,309,391 B1	10-30-2001	Crandall et al.	

Examiner Considered Signature *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspro.gov or MPEP 901.04. *Inter Office that issued the document by the two-letter code (WIPO Standard ST. 3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Date

check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEBS OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

				Con	nplete if Known	•
Substitute fo	or form 144	9/PTO		Application Number	10/657,866	
INFORMATION DISCLOSURE				Filing Date	September 9, 2003	:
			LICANT	First Named Inventor	Mark A. Reiley	
(Use as	many shee	ts as nec	essary)	Art Unit	3738	
•				Examiner Name	David J. Isabella	
Sheet	6	Of	10	Attorney Docket Number	29914-701.402	:

		U.S. P	ATENT DOC	UMENTS	•
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
40	249.	US 6,340,361 B1	01-22-2002	Kraus et al.	
	250.	US 6,340,477 B1	01-22-2002	Anderson	
	251.	US 6,342,054 B1	01-29-2002	Mata	
	252.	US 6,368,320 B1	04-09-2002	Le Couedic et al.	
	253.	US 6,451,021 B1	09-17-2002	Ralph et al.	
	254.	US 6,471,705 B1	10-29-2002	Biedermann et al.	•
	255.	US 6,514,253 B1	02-04-2003	Yao	·:
	256.	US 6,520,963 B1	02-18-2003	McKinley	:
	257.	US 6,524,315 B1	02-25-2003	Selvitelli et al.	
	258.	US 6,540,749 B2	04-01-2003	Schäfer et al.	
·	259.	US 6,547,790 B2	04-15-2003	Harkey, III et al.	
	260.	US 6,554,843 B1	04-29-2003	Ои	
	261.	US 6,565,565 B1	05-20-2003	Yuan et al.	
	262.	US 6,572,617 B1	06-03-2003	Senegas	•
	263.	US 6,585,769 B1	07-01-2003	Muhanna et al.	
Ĩ	264.	US 6,638,321 B1	10-28-2003	Genet et al.	
	265.	US 6,712,849 B2	03-30-2004	Re et al.	- 1
	266.	US 6,749,361 B2	06-15-2004	Hermann et al.	
1	267.	US 6,770,095 B2	08-03-2004	Grinberg et al.	
	268.	US 6,793,678 B2	09-21-2004	Hawkins .	·
	269.	US 6,811,567 B2	11-02-2004	Reiley	
	270.	US 6,902,580 B2	06-07-2005	Fallin et al.	
	271.	US 6,949,123	09-27-2005	Reiley	
7	272.	US RE 36,758	06-27-2000	Fitz	•

Date Examiner Considered Signature

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applipant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspro.gov or MPEP 901.04. 'Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

cincts, mask nere it english language (farsisation is attached.)
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Pacert and Tracterark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

				Complete if Known			
Substitute f	for form 144	9/PTO		Application Number	10/657,866		
INFORM	MATION	DISC	LOSURE	Filing Date	September 9, 2003	:	
			LICANT	First Named Inventor	Mark A. Reiley		
(Use a	s many shee	ets as nec	essary)	Art Unit	3738		
				Examiner Name	David J. Isabella		
Sheet	7	Of	10	Attorney Docket Number	29914-701.402		

		FOREIGN	N PATENT DO	DCUMENTS		•
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code* - Number* - Kind Code* (ff known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	. T ⁶
NA	273.	EP 1103226 (in German with English Abstract)	05-30-2001	Schaefer, Bernd	·	
	274.	EP 1205152 A1	05-15-2002	Lafitt, S.A.:		<u>'</u>
	275.	EP 1254639 A1	11-06-2002	Industrias Quirurgicas De Levante, S.L.		
	276.	FR 2726459 (in French with English Abstract)	05-10-1996	Desauge Jean Pierre		<u> </u>
	277.	FR 2749155 (in French with English Abstract)	12-05-1997	Albert P. Alby		
	278.	FR 2844180 (in French with English Abstract)	03-12-2004	Spinevision		
	279.	WO 01/06939 A1 (in French) with English Abstract)	02-01-2001	Eurosurgical		
	280.	WO 01/15638 A1	03-08-2001	Cauthen Research Group, Inc.		
	281.	WO 01/28442 A1 (in French) with English Abstract)	04-26-2001	Spine Next		
	282.	WO 01/67972 A2	09-20-2001	SDGI Holdings, Inc.		<u>;</u>
	283.	WO 02/00270 A1	01-03-2002	Victrex Manufacturing Ltd.		
	284.	'WO 02/00275 A1	01-03-2002	Victrex Manufacturing Ltd.		<u> </u>
	285.	WO 02/02024 A1 (in Spanish) with English Abstract)	01-10-2002	Surgival Co., S.A.		<u> </u>
	286.	WO 02/02158 A1	01-10-2002	Victrex Manufacturing Ltd.		
	287.	WO 02/071960 A1 (in French) with English Abstract)	09-19-2002	Spine Next	•	:
V	288.	WO 02/34150 A2	05-02-2002	SDGI Holdings, Inc.		<u> </u>
- 1	289.	WO 03/041618 A2 (in French)	05-22-2003	Louis et al.		

C C	 l	N	1				_	<i></i>		
Examiner		π	1	Date	1 .	U	9/	\\\\\	17	1
Signature	U	11	V	Considered		\mathbf{Z}_{I}	<u>/</u>	24 a () ()	5	·

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must proceed the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is anacted.

circus news nere it engine tanguage translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USFTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USFTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Traders Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, F.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (07/05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known				
Substitute fo	r form 144	9/PTO		Application Number	10/657,866	:		
INFORM	IATION	DISC	LOSURE	Filing Date	September 9, 2003	•		
STATEM				First Named Inventor	Mark A. Reiley			
(Use as	many shee	is as nec	essary)	Art Unit	3738			
	•			Examiner Name	David J. Isabella			
Sheet	8	Of	10	Attorney Docket Number	29914-701.402			

		FOREIGN	PATENT DO	DCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ³ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Cohumns, Lines, Where Relevant Passages or Relevant Figures Appear	Ī
M		with English Abstract)				
	290.	WO 03/075805 A1	09-18-2003	Chin		L
	291.	WO 2004/103228 A1	12-02-2004	Archus Orthopedics, Inc.		
(h	292.	WO 2005/009301 A1	02-03-2005	Archus Orthopedics, Inc.		Ŀ

	\mathcal{L}	\mathcal{Y}	·		
Examiner				Date	10/2//10
Signature	//	1		Considered	U / U / US
	nicial if reference considered w		for not citation is in conformance with MPBP 609	Draw line through c	tation if not in conformance and not considered. Include copy

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant, whether or not citation designation number (optional). *See Kinds Codes of USPTO Pates Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-PTO-9199) and select option 2.

PTO/SB/08A (07/05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known					
Substitute f	or form 144!	9/PTO		Application Number	10/657,866				
INFORM	IATION	DISC	LOSURE	Filing Date	September 9, 2003	• .			
•			LICANT	First Named Inventor	Mark A. Reiley				
(Use a	s many sheet	ts as ne	cessary)	Art Unit	3738				
				Examiner Name	David J. Isabella				
Sheet	9	Of	10	Attorney Docket Number	29914-701.402	,			

		NON PATENT LITERATURE DOCUMENTS	т-			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
M	293.	ABRAHAM, D.J. et al. Indications And Trends In Use In Cervical Spinal Fusions. Orthop Clin North Am. October 1998; 29(4):731-44.				
	EICHHOLZ, K.M. et al. Complications of Revision Spinal Surgery, Neurosurg Foc (September 15, 2003), 15(3): pp. 1-4					
1	295.	FARFAN, H.F. Effects Of Torsion On The Intervertebral Joints. The Canadian Journal of Surgery July 1969; 12(3):336-41.				
	296.	FARFAN, H.F. et al. The Relation Of Facet Orientation To Intervertebral Disc Failure. The Canadian Journal of Surgery April 1967; 10(2):179-85.				
	297.	FARFAN, H.F. The Pathological Anatomy Of Degenerative Spondylolisthesis. A Cadaver Study. Spine. 1980 Sep-Oct; 5(5):412-8.				
	298.	FOSBINDER, R.A. et al. Essentials of Radiologic Science. The McGraw-Hill Companies; 2002.				
	299.	GUYER R. et al. Impliant: Motion Preservation through Total Posterior-Element Replacement. May 7, 2004 Presentation held at Hofburg Center, Vienna, Austria, (2 pages).				
	300.	KIRKALDY-WILLIS, W.H. et al. Pathology And Pathogenesis Of Lumbar Spondylosis And Stenosis. Spine. Dec. 1978; 3(4):319-28.				
h	301.	KULKARNI, et al. Accelerated Spondylotic Changes Adjacent to the Fused Segment Following Central Cervical Corpectomy: Magnetic Resonance Imaging Study Evidence. J. Neurosurg (Spine 1). 2004; 100: 2-6.				
Uh	302.	LAM, K. N., et al. X-ray Diagnosis: A Physician's Approach. Springer-Verlag; 1998.				

Examiner Signature	Date Considered	4/	2//2	<u> </u>

*EXAMINER: Initial if reference on idertal, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in enformance and not exhibited. Include copy of this form with next communication of policient, "Applicant's unique citation designation number (optional)." See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). "For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document." Xind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Traderrark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patenta, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known			
Substitute f	or form 144	9/PTO		Application Number	10/657,866	•	
INFORM	AATION	DISC	LOSURE	Filing Date	September 9, 2003		
			LICANT	First Named Inventor	Mark A. Reiley		
	s many shee			Art Unit	3738		
,				Examiner Name	David J. Isabella	į	
Sheet	10	Of	10	Attorney Docket Number	29914-701.402	1	

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
ि	303.	LOMBARDI, J.S. et al. Treatment Of Degenerative Spondylolisthesis. Spine. 1985; 10(9): 821-7.	
	304.	MCMILLIN, C. R. et al. Artificial Spinal Discs with up to Five Years Follow-up. 20th Annual Meeting of the Society for Biomaterials (Abstract) 1994; Page 89.	
	305.	POSNER, I. et al. A Biomechanical Analysis of the Clinical Stability of the Lumbar and Lumbosacral Spine. Spine. 1982; 7(4): 374-389.	
	306.	ROSENBERG, N.J. Degenerative Spondylolisthesis. Predisposing Factors. The Journal of Bone and Joint Surgery. 1975; 57-A(4): 467-74.	L
	307.	SACHER, R., Impliant Brochure for presentation at MedTech Insight Conference (October 31, 2003) Boston, MA. pp. 93-94.	
,	308.	SLONE, R. M. et al. Body CT: A Practical Approach. The McGraw-Hill Companies; 1999.	
	309.	STOUT, G. H. et al. X-Ray Structure Determination: A Practical Guide. 2nd Edition. John Wiley & Sons; 1989.	
	310.	SZPALSKI, M., et al. Spine Arthroplasty: A Historical Review. Eur Spine J. 2002; 11(Suppl. 2): S65-S84.	
1	311.	UCR Pedicle Screw System from SeaSpine (information available at http://www.seaspine.com/UCR_Pedicle_Screw_System.html). Accessed December 5, 2005.	
	312.	Victrex of Lancashire, Great Britain. (information on Victrex available at http://www.matweb.com). Accessed December 5, 2005.	

	ſΥ	1	•		. /	1/	/	1	
Examiner Signature		1/	Date Conside	red	4/	T	1.1	R	
	isial idadenana appelda	W	printing is in conformance with MPRP 609. Draw line to	rough citation if not in confo	Mance	and	not cor	sidered.	Include copy

^{*}EXAMINER: Initial if reference considered, we get er or not situation is in conformance with MPBP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Upplicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Decuments at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Sind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

	TA TRAS			Con	plete if Known	
Substitute	for form 144			Application Number	10/657,866	
INFORM	MATION	DISC	LOSURE	Filing Date	September 9, 2003	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mark A. Reiley	
	s many shee			Art Unit	3738	
	•			Examiner Name	David J. Isabella	:
Sheet	1	of	1	Attorney Docket Number	29914-701.402	

			ATENT DOCI	<u> </u>	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
14		US-6,712,818	03-30-2004	Michelson	,
4		US-6,648,891	11-18-2003	Kim	
	<u> </u>	US-6,638,281	10-28-2003	Gorek	,
		US-6,632,226	10-14-2003	Chan	•
$\neg \vdash$		US-6,361,506	03-26-2002	Saenger et al.	
1		US-6,302,890	10-16-2001	Leone, Jr.	
+		US-6,193,758	02-27-2001	Huebner	
1		US-6,193,724	02-27-2001	Chan	
1		US-6,120,510	. 09-19-2000	Albrektsson et al.	
†		US-6,053,917	04-25-2000	Sherman et al.	
 		US-5,885,286	03-23-1999	Sherman et al.	
†		US-5,700,268	12-23-1997	Bertin	
 		US-5,678,317	10-21-1997	Stefanakos	
·		US-5,329,933	07-19-1994	Graf	
		US-5,314,429	05-24-1994	Goble .	
	<u> </u>	US-5,303,480	04-19-1994	Chek	
		US-5,070,623	12-10-1991	Barnes	
·· · · · · · · · · · · · · · · · · · ·		US-4,987,904	01-29-1991	Wilson	
		US-4,710,075	12-1-1987	Davison	
		US-4,271,836	06-09-1981	Bacal et al.	
•		US-4,123,848	11-07-1978	Emmerich et al.	
		US-2,959,861	11-15-1960	Stromquist	
		US-2,930,133	03-29-1960	Thompson	
		US-1,308,451	07-01-1919	Schachat	
7/		US-2003/028250	02-06-2003	Reiley et al.	

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Do		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ¢				
Va	Country Code' - Number' - Kind Code' (ff known) WO 2004/103227		12-02-2004	Archus Orthopedics,	Relevant rigures Appear						

Examiner		Date	11.12/	2
Signature	///////////////////////////////////////	Considered	412610	<u> 14</u>
CV CARTO, ESC. C. C	The second secon	formers with MORIE COO. Done line through citation if and in configuration and and considered	by hard course of this form with no	1

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

		•		iplete if Known		
Substitute fo	or form 1449	/PTO		Application Number	10/657,866	
INFORM	1ATION I	DISC	LOSURE	Filing Date	09/09/2003	
STATEM	MENT BY	APP	LUSURE LICANT cessary)	First Named Inventor	Reiley	
(Use as	many sheets	s as ne	cessary)	Art Unit	3738	
<u>v</u>)				Examiner Name	Isabella	•
heet	1	of	4	Attorney Docket Number	29914.701.402	

U.S. PATENT DOCUMENTS

	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	No. 1 Number-Kind Code ² (if known)		MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
(D)		US-2004/0059429	03/25/2004	Amin et al.	
-		US-2005/0049705	03/03/2005	Hale et al.	· · · · · · · · · · · · · · · · · · ·
		US-3,867,728	02/25/1975	Stubstad-et al.	
		US-3,875,595	04/08/1975	Froning	
		US-4,349,921	09/21/1982	Kuntz .	
		US-4,759,769	07/26/1988	Hedman et al.	
		US-4,772,287	09/20/1988	Ray et al.	
\neg		US-4,863,477	09/05/1989	Мопѕоп	
1.	·	US-4,904,260	02/27/1990	Ray et al.	
1		US-4,911,718	03/27/1990	Lee et al.	
1		US-5,047,055	09/10/1991	Bao et al.	
1		US-5,071,437	12/10/1991	Steffee	***************************************
1		US-5,147,404	09/15/1992	Downey	
1		US-5,171,280	12/15/1992	Baumgartner	
1		US-5,192,326	03/09/1993	Bao et al.	
1		US-5,306,308	04/26/1994	Gross et al.	
i		US-5,306,309	04/26/1994	Wagner et al.	· · · · · · · · · · · · · · · · · · ·
T -		US-5,370,697	12/06/1994	Baumgartner	
1.		US-5,401,269	03/28/1995	Buttner-Janz et al.	
†		US-5,437,672	08/01/1995	Alleyne	
		US-5,458,642	10/17/1995	Beer et al.	•
1		US-5,458,643	10/17/1995	Oka et al.	
		US-5,514,180	05/07/1996	Heggeness et al.	
m		US-5,534,028	07/09/1996	Bao et al.	
111		OS-6,534,030	07/09/1996	Navarro et al.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.usptor.gov or MPEP 901.04. ²Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

Considered

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Examiner Signature

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-003.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known		
Substitute f	or form 144	9/PTO		Application Number	10/657,866	
INFORM	IATION	DISC	LOSURE	Filing Date	09/09/2003	
			LICANT	First Named Inventor	Reiley	
	s many shee			Art Unit	3738	
		•	•	Examiner Name	Isabella	
Sheet	2	of	4	Attorney Docket Number	29914.701.402	

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(O)	<u> </u>	US-5,545,229	08/13/1996	Parsons et al.	
`		US-5,556,431	09/17/1996	Buttner-Janz	
		US-5,571,189	11/05/1996	Kuslich	•
		US-5,645,597	07/08/1997	Krapiva	
		US-5,653,762	08/05/1997	Pisharodi	
		US-5,674,295	10/07/1997	Ray et al.	
-†-		US-5,674,296	10/07/1997	Bryan et al.	
		US-5,676,701	10/14/1997	Yuan et al.	
1		US-5,683,464	11/04/1997	Wagner et al.	
		US-5,702,450	12/30/1997	Bisserie	
1		US-5,716,415	02/10/1998	Steffee	
		US-5,824,093	10/20/1998	Ray et al.	
1		US-5,824,094	10/20/1998	Serhan et al.	
		US-5,865,846	02/02/1999	Bryan et al.	
1		US-5,868,745	02/09/1999	Alleyne	
1		US-5,893,889	04/13/1999	Harrington .	
1		US-6,001,130	12/14/1999	Bryan et al.	
11		US-6,014,588	01/11/2000	Fitz	
		US-6,019,792	02/01/2000	Cauthen	
1		US-6,039,763	03/21/2000	Shelokov	
		US-6,063,121	05/16/2000	Xavier et al.	
\top		US-6,066,325	05/23/2000	Wallace et al.	
-		US-6,080,157	06/27/2000	Cathro et al.	
\sim		US-6,113,637	09/05/2000	Gill et al.	
A X)		US-6,132,465	10/17/2000	Ray et al.	
<u></u>					

*EXAMNER: Initial if reference consecred, whether or not citation is in conformance with MPEP 609. Draw line through citation if nor in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND. TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Considered

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Signature

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				· Con	nplete if Known	
Substitute f	or form 144	9/PTO		Application Number	10/657,866	
INFORM	IATION	DISC	LOSURE	Filing Date	09/09/2003	
			LICANT	First Named Inventor	Reiley	
	s many shee			Art Unit	3738	
				Examiner Name	Isabella	
Sheet	3	of	4	Attorney Docket Number	29914.701.402	

		FOREIGN	PATENT DO	CUMENTS		
Examiner Cite Initials No. 1		Foreign Patent Document Publication MM-DD-Y		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
-(1)		Country Code' - Number' - Kind Code' (//known) DE 10135771 A1	02/20/2003	Aesculap AG & Co.		x
		JP 10179622 A2	07/07/1998	Mizuho Ika Kogyo KK		X
		WO 98/48717 A1	11/05/1998	Taylor, Jean		X
		WO 99/23963 A1	05/20/1999	Dimso		X
		WO 00/38582 A1	07/06/2000	Nuvasive, Inc.		1
		WO 01/30248 A1	05/03/2001	Reiley, Mark A.		1
		WO 03/101350 A1	12/11/2003	Archus Orthopedics		1
19		WO 2004/071358 A1	08/26/2004	Archus Orthopedics Inc.		
		·				-
Examiner Signature	<u> </u>	' / ////		Date Considered	706	<u> </u>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if hot in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE of a collection of information unless it contains a which ONE

				Com	plete if Known	!
Substitute 1	for form 14	19/PTO		Application Number	10/657,866	•
INFORM	MATION	DISC	CLOSURE	Filing Date	09/09/2003	
			PLICANT	First Named Inventor	Reiley	:
(Use	as many shee	ets as nec	cessary)	Art Unit	3738	
				Examiner Name	Isabella	•
Sheet	4	of	4	Attorney Docket Number	29914.701.402	

	NON PATENT LITERATURE DOCUMENTS	
Examiner Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	· T [†]
0	GOH, JC et al., "Influence of PLIF cage size on lumbar spine stability", Spine, (January 2000), 25(1) Medline abstract (one page).	
	HEAD, WC, "Wagner surface replacement arthroplasty of the hip. Analysis of fourteen failures in forty-one hips", <i>J Bone Joint Surg. Am.</i> , (March 1981) 63(3), Medline abstract (one page).	
	KHOO, LT et al., "A biomechanical analysis of the effects of lumbar fusion on the adjacent vertebral motion segment", Proceedings of the 2000 Annual Meeting of the North American Spine Society, New Orleans.	
	KOTANI, Y. et al., "The effects of spinal fixation and destabilization on the biomechanical and histologic properties of spinal ligaments. An in vivo study.", Spine, (March 15, 1998) 23(6), Medline abstract (2 pages).	
	LEMAIRE, JP et al., "Intervertebral disc prosthesis: results and prospects for the year 2000", <i>Clinical Orthopaedics and Related Research</i> , No. 337, pp. 64-76.	:
	NAGATA, H. et al., "The effects of immobilization of long segments of the spine on the adjacent and distal facet force and lumbrosacral motion", <i>Spine</i> , (December 1993), 18(16):2471-2479, (9 pages).	:
	NIBU, K. et al., "Multidirectional stabilizing potential of BAK interbody spinal fusion system for anterior surgery [see comments]", <i>J Spinal Discord</i> , (August 1997), 10(4), Medline abstract (one page).	•
0)	TSANTRIZOS, A. et al., "Segmental stability and compressive strength of posterior lumbar interbody fusion implants", Spine, (August 1, 2000) 25(15), Medline abstract (one page).	
		1

У	Δ	١.	Λ		<u> </u>	/	· ·
Evaminer	Ľ			Date Considered	Eli	2	
3.5	_	_					

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

1

Con	nplete if Known	
Application Number	10/657,866	• ;
Filing Date	09/09/2003	
First Named Inventor	Reiley	:
Art Unit	3738	
Examiner Name	Isabella	
Attorney Docket Number	29914.701.402	

		FOREIGN	PATENT DO	CUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	I.e.
23		IE S970323	06/03/1998	Eskina Developments Limited		
707		WO 95/05783 A1	03/02/1995	Martin, Jean-Raymond		X
		WO 98/56301 A1	12/17/1998	Reiley, Mark A. et al.		
		WO 99/05995 A1	02/11/1999	Gordon, Dennis P.		
		WO 99/60957 A1	12/02/1999	Nuvasive, Inc.	·	
		WO 99/65412 A1	12/23/1999	Pioneer Laboratories, Inc.		
}		WO 00/62684 A1	10/26/2000	Nuvasive, Inc.		
		WO 01/97721 A2	12/27/2001	Kyphon Inc.		
4		WO 02/089712 A1	11/14/2002	Gerber, David et al.		
		WO 03/020143 A1	03/13/2003	Synthes		
					,	
	<u> </u>					
						<u> </u>
				·		

	 Ζ		•		
Examiner		Ĭ	Date	201	11
Signature		1_	Considered 7	UV	OL

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if fot in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.usptd.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

CUST OF PROP ART CITED BY APPLICANT	ATTY DOCKET NO. 9448.17205-CIP DIV 2	SERIAL NO. 10/657,866	
LIST OF PRIOR ART CITED BY APPLICANT (Use stored sheets if necessary) NOV 0 4 2004	APPLICANT Reiley		
Cut omer No. 26308	FILING DATE 9 September 2003	GROUP 3732	

U.S. PATENT DOCUMENTS Filing Date (If Appropriate) Subclass DOCUMENT NUMBER Coss

FOREIGN PATENT DOCUMENTS

	OOCUMENT NUMBER	DATE	COUNTRY	Chap	Subclass	Translation Yes No
(0)	WO 96/00049	01/1996	PCT (English abstract)			:
						,
						ì
					,	

<u> </u>	OTH	ER PRIOR ART (//	ncluding Author, Title, Date,	Pertinent Pages, Et	C.)
					, .
	K				
EXAMINER	10/	Th	DATE CONSIDERED	4/21/02	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. ered. Include copy of this of with next communication to applicant.

PTO:SB:08A (08-03)

Approved for use through 07:31/2006 OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Application Number 10/657,866 Substitute for form 1449/PTO Filing Date 09/09/2003 INFORMATION DISCLOSURE First Named Inventor Reiley STATEMENT BY APPLICANT 3738 Art Unit (Use as many sheets as necessary) **Examiner Name** Isabella 29914.701.402 Sheet 1 of 1 Attorney Docket Number

		U.S. Pa	ATENT DOC	UMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<u>CO</u>		US-2001/0012938	08/09/2001	Zucherman et al.	
		US-2001/0020170	09/06/2001	Zucherman et al.	
1		US-2002/0029039	03/07/2002	Zucherman et al.	
		US-2002/0151895	10/17/2002	Soboleski et al.	
		US-2004/0116927	06/17/2004	Graf	
		US-2004/0127989	07/01/2004	Dooris et al.	
		US-2004/0143264	07/22/2004	McAfee	
		US-RE 36,221	06/01/1999	Breard et al.	
<u> </u>		US-5,092,866	03/03/1992	Breard et al.	:
		US-5,258,031	11/02/1993	Salib et al.	
		US-5,415,661	05/16/1995	Holmes	
+		US-5,425,773	06/20/1995	Boyd et al.	· · · · · · · · · · · · · · · · · · ·
	-	US-5,527,312	06/18/1996	Ray	
		US-5,562,738	10/08/1996	Boyd et al.	7
+		US-5,836,948	11/17/1998	Zucherman et al.	
	-	US-5,860,977	01/19/1999	Zucherman et al.	
+		US-6,048,342	04/11/2000	Zucherman et al.	•
		US-6,068,630	05/30/2000	Zucherman et al.	
1		US-6,293,949	09/25/2001	Justis et al.	
\top		US-6,419,703	07/16/2002	Fallin et al.	
<u> </u>		US-6,565,605	05/20/2003	Goble et al.	
- -	-	US-6,579,319	06/17/2003	Goble et al.	
	·	US-6,610,091	08/26/2003	Reiley	
_		US-6,669,729	12/30/2003	Chin	
*		US-6,761,720	07/13/2004	Senegas	
1(th	 	US-6,783,527	08/31/2004	Drewry et al.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ¹See Kinds Codes of USPTO Patent Documents at ward uspto gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached. ¹This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

Considered

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Examiner

Signature

LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)	9448.17205-CIP DIV 2	serial no. Unknown
(030 Several Silvers in necessary)	APPLICANT Reiley, Mark A.	
Customer No. 26308	FILING DATE UNKNOWN	GROUP :

U.S. PATENT DOCUMENTS

Examiner Initial	DOCUMENT NUMBER	Date	Name	Class	Subclass	Filing Oate (If Appropriate)
Øl	6,200,322	03/13/2001	Branch et al.			
	6,132,464	10/17/2000	Martin		_	
	5,741,261	04/21/1998	Moskovitz et al.			·
	5,603,713	02/18/1997	Aust et al.	,		
	5,577,995	11/26/1996	Walker et al.			. :
	5,571,191	11/05/1996	Fitz			
	5,507,823	04/16/1996	Walston et al.			:-
	5,491,882	02/20/1996	Walston et al.			
	5,445,639	08/29/1995	Kuslich et al.			
	5,602,845	11/05/1991	Kuslich et al.		1	· · · · · · · · · · · · · · · · · · ·
	5,015,255	05/14/1991	Kuslich	•	·	•
	5,879,396	03/09/1999	Walston et al.			,
	RE 36,758	06/27/2000	Fitz			,
DI	5,300,073	04/05/1994	Ray et al.			:

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	Class	Subclass	Translation Yes No
	•				•

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

			 		-
11 1					
Li		 		•	
					-
1 1	1				•
<u></u>		 	 		

EXAMINER 1

DATE CONSIDERED

4/26/18

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this of with next communication to applicant.